



## **MONTHLY OPERATIONS REPORT**

July 2014

Town of Discovery Bay, CA

**1797** Days of Safe Operations

**79,414** worked hours since last recordable incident

### **TRAINING:**

**Safety, Operations, & Equipment**

<b>Safety</b>	<b>Hours</b>
Monthly Training consists of: Take 5 Safety Tailgates (12) West Region Safety Council Call Monthly Regional Safety Webinar Fire Extinguisher Hot Works	3.0
<b>Operations</b>	
L/S F Tesco Electrical Box Inf. PS Water Booster Pumps Automatic Valve Inf. PS Flute thermal imaging	5.0

### **REPORTS SUBMITTED TO REGULATORY AGENCIES**

Monthly Discharge Monitoring Report (DMR) Monthly electronic State Monitoring Report (eSMR) Monthly Coliform Report, California Department of Public Health (CDPH)
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### **WATER SERVICES**

<b># of Active Wells</b>	<b>Water Produced (MG)</b>	<b>Chemical (Hypo) Delivered</b>	<b>Fire Hydrant Flushing</b>
5	147.5	4325	0

***Note: Well 4 in lead and Well 5 in lag to offset specific conductivity***

### 2014 Water Production Table (MG) by Month

January	February	March	April	May	June
69.3	61.1	68.3	92.98	128.2	135.2
July	August	September	October	November	December
147.5					

### Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls
16	0	0	0

## WASTEWATER SERVICE

### Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>June Lab Data</i>	<i>July Lab Data</i>
Flow, MG Effluent, <b>monthly total</b>		40.2	39.1
Flow, MG Daily Influent Flow, <b>avg.</b>	<b>N/A</b>	1.23	1.27
Flow, MG Daily Discharge Flow, <b>avg.</b>	<b>2.1</b>	1.34	1.26
Effluent BOD <sub>5</sub> , lbs/d, <b>monthly avg.</b>	<b>350</b>	20.1	28.0
Effluent TSS, lbs/d, <b>monthly avg.</b>	<b>525</b>	29.9	41.0
Effluent BOD <sub>5</sub> , mg/L, <b>monthly avg.</b>	<b>20</b>	1.8	3.0
Effluent TSS, mg/L, <b>monthly avg.</b>	<b>30</b>	2.6	4.0
Total Coli form 7 day Median Max	<b>23</b>	3	1
Total Coli form Daily Maximum	<b>240</b>	17	4
% Removal BOD <sub>5</sub> , monthly avg.	<b>85% min.</b>	99	98
% Removal, TSS, monthly avg.	<b>85% min.</b>	98	97
Electrical Conductivity, umhos/cm <b>annual avg.</b>	<b>2100</b>	2154 (YTD)	2090 (YTD)

Red – new parameter added

### National Pollution Discharge Elimination System (NPDES)

NPDES Related Excursions	Permit Parameter	NPDES Parameter Limit	Actual Parameter Result
0	N/A	0	N/A

### **Bacteriological Test Results:**

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	7-Day Median Excursion
8	0	0	0

# of Active Lift Stations	# of Inactive Lift Stations	Chemical Usage Polymer-gals	SSO	Wastewater Received (MG)
15	0	117	0	39.3

### **COLLECTION:**

- Flushing will start in Sept. with CCTV starting in Oct.
- Flushed 0 ft. of sanitary sewer lines, YTD 0 ft. **0%** completed
- CCTV 0 ft. **0%** completed (Deadline is May 2015)
- Inspected 0 manhole & covers. 0 YTD
- Performed valve exercising
- Performed weekly lift station inspections.
- L/S "F" back online, some outstanding electrical work waiting to be completed.

### **MAINTENANCE:**

#### **Wastewater**

- Rebuild VU3000 module at plant #2
- Troubleshoot floats at Lakeshore L/S
- Troubleshoot clarifier #3 sump.
- Electrical issues with GFI at rotor #3
- Repaired Flops on chamber A & B solar dryer
- Removed all trees and weeds around lagoons
- Installed breaker & actuator on belt press #1
- Troubleshoot issue with air compressor at plant #1
- Troubleshoot Lagoon dredge pump

### Water

- Troubleshoot water issue at Willow Lake WP
- Troubleshoot programing issue at WLWP
- Repaired backwash line on backwash tank NWP
- Repair sump line at NWP

#### **Preventive and Corrective**

Total # of WO's Completed	Total Hours
176	83.8

#### **Work Order Back-Log**

Aging 8 - 30 Days	Aging > 30 Days
60	23

#### **Call & Emergency Responses**

Call Outs	Emergencies
11	0

#### **Personnel Hours & Overtime:**

Regular Hours	Overtime
1408	47.75

### TERMS

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREATMENT PLANT
WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
SSO	SANITARY SEWER OVERFLOW
BOD	BIOLOGICAL OXYGEN DEMAND
TSS	TOTAL SUSPENDED SOLIDS
MGD	MILLION GALLONS PER DAY
mg/l	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PARTS PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WATSE ACTIVATED SLUDGE
UV	ULTRAVIOLET LIGHT